

AMENDMENTS TO THE CLAIMS

Please amend the application as indicated:

1-12 (Cancelled)

13. (Currently amended) A method for blocking or reducing the adverse effects on a medical or experimental material when the medical or experimental material is exposed to 10kGy or more of at least one type of radiation selected from the group consisting of x-rays, gamma rays and electron beams, the method comprising:

~~determining that a subject will be exposed to 10 kGy or more of said x-rays, gamma rays and/or electron beams;~~

~~in response to the determination and prior to the exposure, protecting covering the subject medical or experimental material in need of protection from said adverse effects with a radioprotective material sheet or film comprising at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives.~~

14-16. (Cancelled)

17. (Currently amended) A method according to claim 13, wherein the sheet or film comprises at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives is used in such a manner that the at least one member is present inside the subject or inside the surface layer of a subject in a total amount of 0.05 wt.% to 40 wt.% based on the weight of the sheet or film.

18-26. (Cancelled)

27. (New) The method of Claim 13, wherein the medical or experimental material is exposed to 10kGy or more radiation over the course of 0-5 hours.